What is claimed is:

1. An electromagnetic wave absorber comprising: a porous substrate having a large number of pores piercing the porous substrate; and an absorbent film formed on circumferential surfaces of said pores and constituted by a mixture of an electromagnetic wave absorbing filler and an electromagnetic wave absorbing high-molecular material, wherein said pores are not blocked with said absorbent film so that said pores are permeable to gas.

2. An electromagnetic wave absorber comprising: a porous substrate having a large number of pores piercing the porous substrate; and incombustible or flame-retardant particles having pores into which filamentary carbon adheres, said pores of said porous substrate being filled with said incombustible or flame-retardant particles.

3. An electromagnetic wave absorber comprising: a porous substrate having a large number of pores piercing the porous substrate; an absorbent film formed on circumferential surfaces of said pores and constituted by a mixture of an electromagnetic wave absorbing filler and an electromagnetic wave absorbing high-molecular material; and incombustible or flame-retardant particles having pores into which filamentary carbon adheres, said absorbent film-coated pores of said porous substrate being filled with said incombustible or flame-retardant particles.

4. An electromagnetic wave absorber according to any one

of Claims 1 through 3, wherein said porous substrate is made of either of an electromagnetic wave shielding material and an electromagnetic wave absorbing material.

5. An electromagnetic wave absorber according to any one of Claims 1 through 3, wherein said absorbent film is constituted by a laminate of layers of absorbent films different in electromagnetic wave absorbing filler content.

6. An electromagnetic wave absorber according to any one of Claims 1 through 3, further comprising a thin layer containing electromagnetic wave absorbing metal or carbon and provided so as to overlap said absorbent film.

7. An electromagnetic wave absorber according to any one of Claims 1 through 6, wherein said porous substrate has a honeycomb structure.

8. An electromagnetic wave absorber according to any one of Claims 1 through 7, wherein an axial direction of each of said pores in said porous substrate is inclined to a plane of said porous substrate.

9. An electromagnetic wave absorber according to any one of Claims 1 through 3, wherein said electromagnetic wave absorbing high-molecular material is a modified polyester resin constituted by a copolymer of isobutyl methacrylate and butyl acrylate.

10. An electromagnetic wave absorber according to any one of Claims 1 through 9, wherein said electromagnetic wave absorber

is constituted by a laminate of sheet-like electromagnetic wave absorbers.

11. An electromagnetic wave absorber according to Claim 10, wherein said electromagnetic wave absorbers to be laminated are integrally bonded to one another by a modified polyester resin constituted by a copolymer of isobutyl methacrylate and butyl acrylate.

12. An electromagnetic wave absorber according to any one of Claims 1 through 9, wherein said electromagnetic wave absorber is coated with incombustible or flame-retardant particles having pores into which filamentary carbon adheres.

13. An electromagnetic wave absorber according to any one of Claims 1 through 9, wherein: said electromagnetic wave absorber is constituted by a laminate of sheet-like electromagnetic wave absorbers; and incombustible or flame-retardant particles having pores into which filamentary carbon adheres are interposed between said sheet-like electromagnetic wave absorbers.

14. An electromagnetic wave absorber according to any one of Claims 1 through 9, wherein: said electromagnetic wave absorber is processed three-dimensionally; and a hollow portion of said processed electromagnetic wave absorber is filled with incombustible or flame-retardant particles having pores into which filamentary carbon adheres.

15. An electromagnetic wave absorber according to any one

of Claims 1 through 14, wherein said electromagnetic wave absorber is disposed in the periphery of a printed wiring board mounted with electronic parts or in the periphery of electronic parts.

16. An electromagnetic wave absorber according to any one of Claims 1 through 14, wherein said electromagnetic wave absorber is used as a constructional material.